

WHAT IS CLAIMED IS:

1. A driving apparatus having driving device and a driven portion to be driven by the driving device, comprising:

an information obtaining device which obtains at least  
5 one of temperature information inside or around the apparatus,  
humidity information inside or around the apparatus, or voltage  
information inside the apparatus;

an action amount monitoring device which monitors an  
action amount of the driven portion; and

10 an error detection device which refers to a different  
action amount error detection value according to a value  
related to the obtained information and detecting an action  
amount error of the driven portion based on the action amount  
error detection value.

15

2. The driving apparatus according to claim 1, wherein the  
error detection device switches the action amount error  
detection value to be referred to according to variation in  
the value related to the obtained information.

20

3. The driving apparatus according to claim 1, wherein the  
error detection device refers to the action amount error  
detection value from an action amount table in which the  
different action amount error detection value is set  
25 correspondingly to each of a plurality of ranges.

4. The driving apparatus according to claim 1, further  
comprising

an acting position recognition device which recognizes an acting position of the driven portion,

wherein the error detection device refers to the different action amount error detection value according to the value  
5 related to the obtained information and the recognized acting position, and detects the action amount error of the driven portion based on the action amount error detection value.

5. The driving apparatus according to claim 4, wherein the  
10 error detection device switches the action amount error detection value to be referred to according to the recognized acting position.

6. The driving apparatus according to claim 1, wherein the  
15 driven portion is a panel member.

7. An action amount error detection method for a driving apparatus having a driving device and a driven portion to be driven by the driving device, the action amount error detection  
20 method comprising:

an information obtaining process of obtaining at least one of temperature information inside or around the apparatus, humidity information inside or around the apparatus, or voltage information inside the apparatus;

25 an action amount monitoring process of monitoring an action amount of the driven portion; and

an error detecting process of referring process of referring to a different action amount error detection value

according to a value related to the obtained information and detecting an action amount error of the driven portion based on the action amount error detection value.

5     8.     An action amount error detection process program embodied in a recording medium which can be read by a computer in an a driving apparatus having driving device and a driven portion to be driven by the driving device, the program making the computer function as:

10           an information obtaining device which obtains at least one of temperature information inside or around the apparatus, humidity information inside or around the apparatus, or voltage information inside the apparatus;

          an action amount monitoring device which monitors an  
15 action amount of the driven portion; and

          an error detection device which refers to a different action amount error detection value according to a value related to the obtained information and detects an action amount error of the driven portion based on the action amount  
20 error detection value.

9.     An information recording medium in which an action amount error detection process program is recorded in a readable way by a recording computer included in a driving apparatus which  
25 has a driving device and a driven portion to be driven by the driving device, the action amount error detection process program causing the recording computer to function as:

an information obtaining device which obtains at least one of temperature information inside or around the apparatus, humidity information inside or around the apparatus, or voltage information inside the apparatus;

5        an action amount monitoring device which monitors an action amount of the driven portion; and

an error detection device which refers to a different action amount error detection value according to a value related to the obtained information and detects an action  
10    amount error of the driven portion based on the action amount error detection value.

15